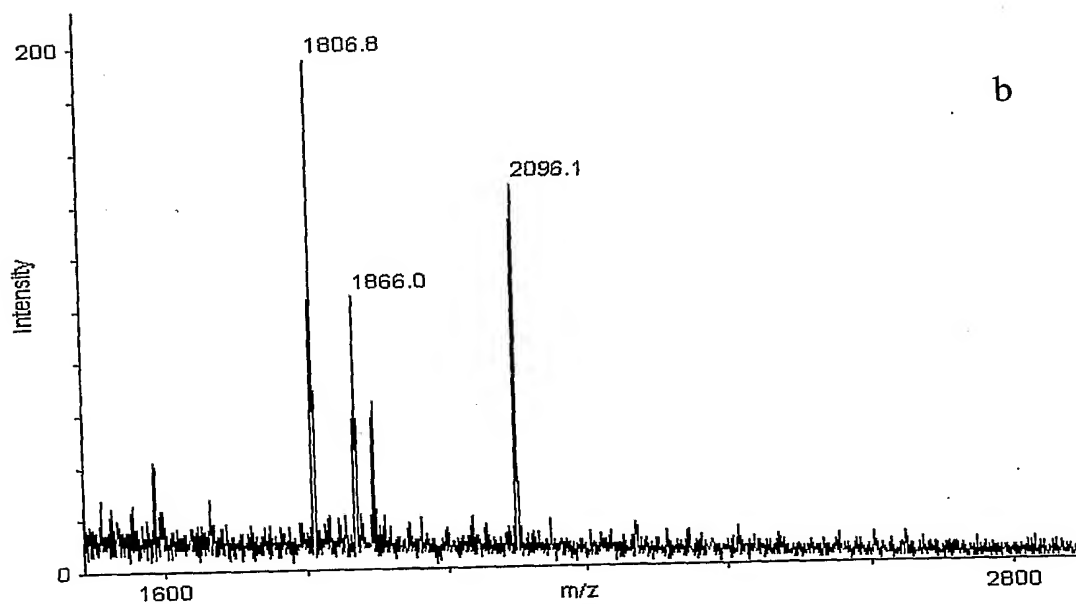FIG.1

\\Picasso\SHARE\507\Jill\Results\Jill-May-Aug 2002\310502-Concen-3B\Glu-C-2hr (18:16 04/04/05)

FIG.2

a

30000

1608.9

Intensity

0

1400   m/z   2400

\\Picasso\SHARE\507\Jill\Results\Jill-May-Aug 2002\310502-Concen-3B\TRP-2hr (18:16 04/04/05)

b

1608.9

200

Intensity

1356.6

0

1400   m/z   2400
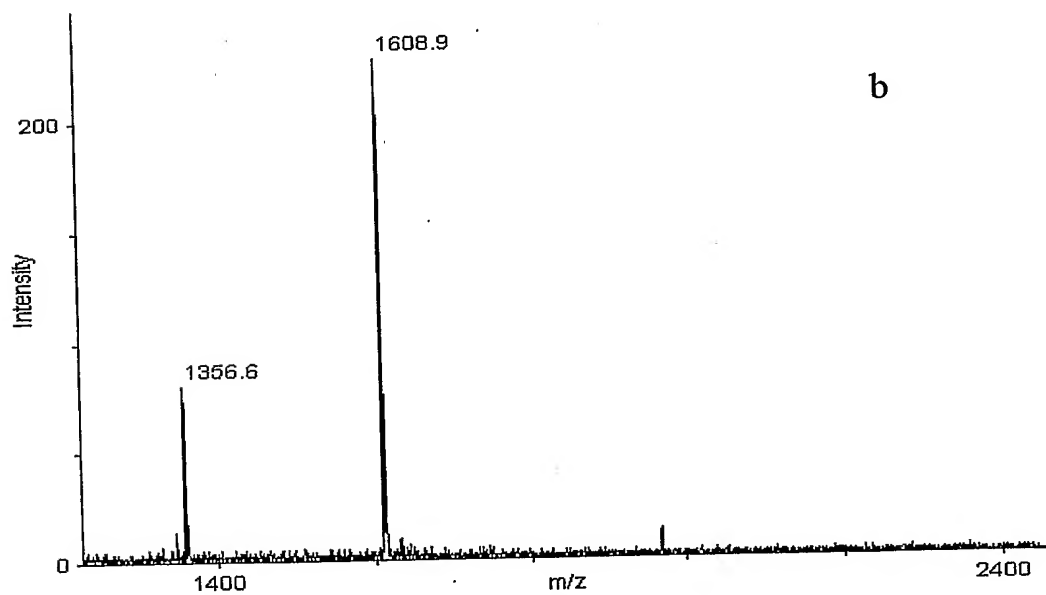
\\Picasso\SHARE\Jill\jillmsdata\b12 mn trp.massml (16:10 03/24/04) m/z
Description: none available

```
1    MRVKEKYQHL  WRWGWKWGTM  LLGILMICSA  TEKLWVTVYY  GVPVWKEATT  TLFCASDAKA
61   YDTEVHNVWA  THACVPTDPN  PQEVVLVNVT  ENFNMWKNDM  VEQMHEDIIS  LWDQSLKPCV
121  KLTPLCVSLK  CTDLGNATNT  NSSNTNSSSG  EMMMEKGEIK  NCSFNISTSI  RGKVQKEYAF
181  FYKLDIIPID  NDTTSVTITS  CNTSVITQAC  PKVSFEPIPI  HYCAPAGFAI  LKCNNKTFNG
241  TGPCTNVSTV  QCTHGIRPVV  STQLLLNGSL  AEEEVVIRSA  NFTDNAKTII  VQLNQSVEIN
301  CTRPNNNTRK  SIRIQRGPGR  AFVTIGKIGN  MRQAHCNISR  AKWNATLKQI  ASKLREQFGN
361  NKTIIFKQSS  GGDPEIVTHS  FNCGGEFFYC  NSTQLFNSTW  FNSTWSTEGS  NNTEGSDTIT
421  LPCRIKQFIN  MWQEVGKAMY  APPISGQIRC  SSNITGLLLT  RDGGNNNNGS  EIFRPGGGDM
481  RDNWRSELYK  YKVVKIEPLG  VAPTKAKRRV  VQREKR
```

Figure 3.

```
1    IPGEKLWVTV  YYGVPVWKEA  TTTLFCASDA  KAYDTEVHNV  WATHACVPTD  PDPQEVELVN
61   VTENFNMWKN  NMVEQMHEDI  ISLWDQSLKP  CVKLTPLCVT  LNCTDLRNTT  NTNNSTANNN
121  SNSEGTIKGG  EMKNCSFNIT  TSIGDKMQKE  YALLYKLDIV  SIDNDSTSYR  LISCNTSVIT
181  QACPKISFEP  IPIHYCAPAG  FAILKCNDKK  FSGKGSCKNV  STVQCTHGIR  PVVSTQLLLN
241  GSLAEEEVVI  RSENFTDNAK  TIIVHLNESV  QINCTRPNYN  KRKRIHIGPG  RAFYTTKNII
301  GTIRQAHCNI  SRAKWNDTLR  QIVSKLKEQF  KNKTIVFTQS  SGGDPEIVMH  SFNCGGEFFY
361  CNTSPLFNST  WNGNNTWNNT  TGSNNNITLQ  CKIKQIINMW  QKVGKAMYAP  PEIGQIRCSS
421  NITGLLLTRD  GGKDTDTDDT  EIFRPGGGDM  RDNWRSELYK  YKVVTIEPLG  VAPTKAKRRV
481  VQREKR
```

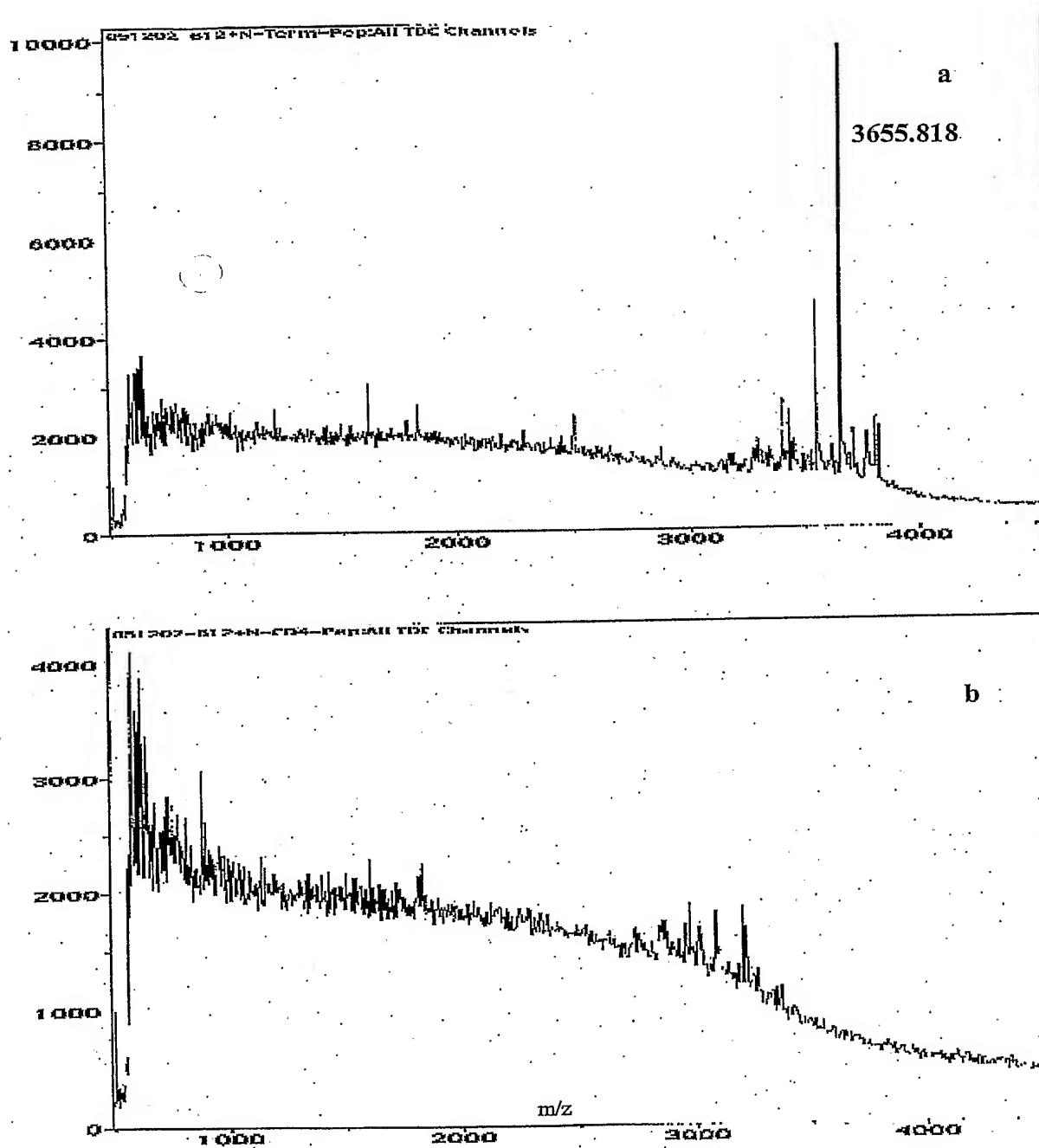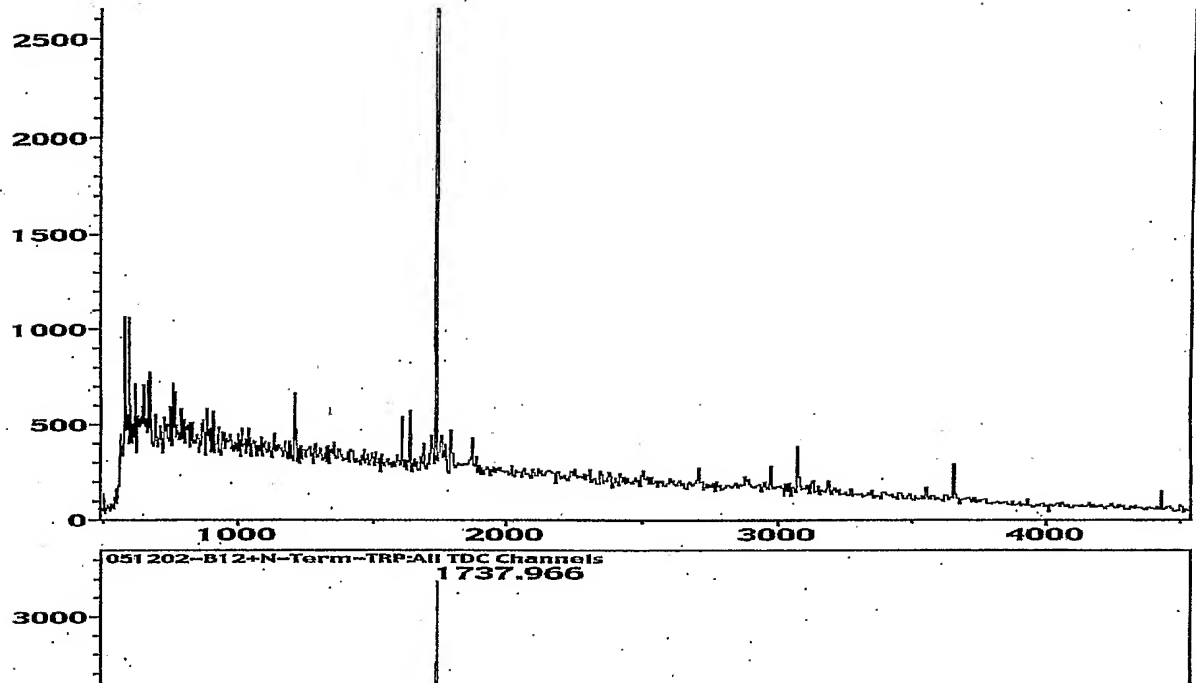Figure 4.

Figure 5:

051202-B12+N-Term-TRP:All TDC Channels
1737.966

Figure 6.

IgG1b12 neutralizing specificities

| Strain	Sequence	Clade	Neutralizing Titer (ID50)
Consensus	LWVTVYYGVPVWKEATTTLFCASDAK	-	10 μg/ml
Ug273	LWVTVYYGVPVWRDAETTLFCASDAK	A	35
DJ258	LWVTVYYGVPVWRDAETTLFCASDAK	A	<0.04
MN	LWVTVYYGVPVWKEATTTLFCASDAK	B	<0.04
Lai (IIIB)	LWVTVYYGVPVWKEATTTLFCASDAK	B	9.3
BK132	LWVTVYYGVPVWKEATTTLFCASDAK	B	0.2
SF2	LWVTVYYGVPVWKEATTTLFCASDAK	B	29
DJ259	LWVTVYYGVPVWKDANPPLFCASDAK	C	>50
ZM20	LWVTVYYGVPVWKEAKTTLFCASDAK	C	20
CM235	LWVTVYYGVPVWRDADTTLFCASDAK	E	49
BZ163	LWVTVYYGVPVWKDATTTLFCASDAK	F	>50
MVP5180	LWVTVYYGVPVWEEAAPVLFCASDAN	O	
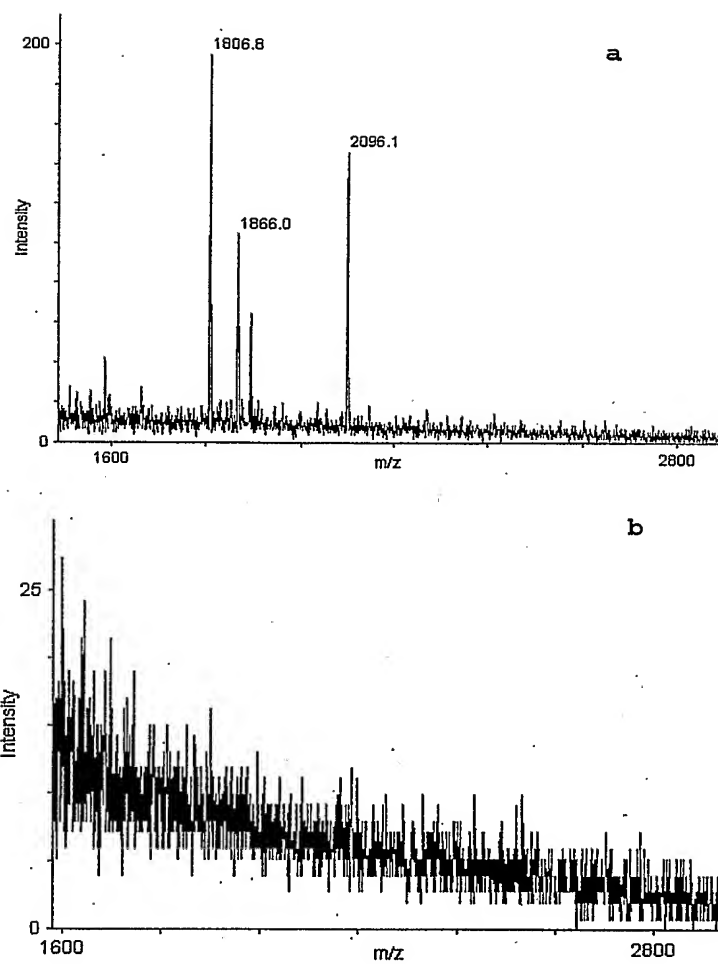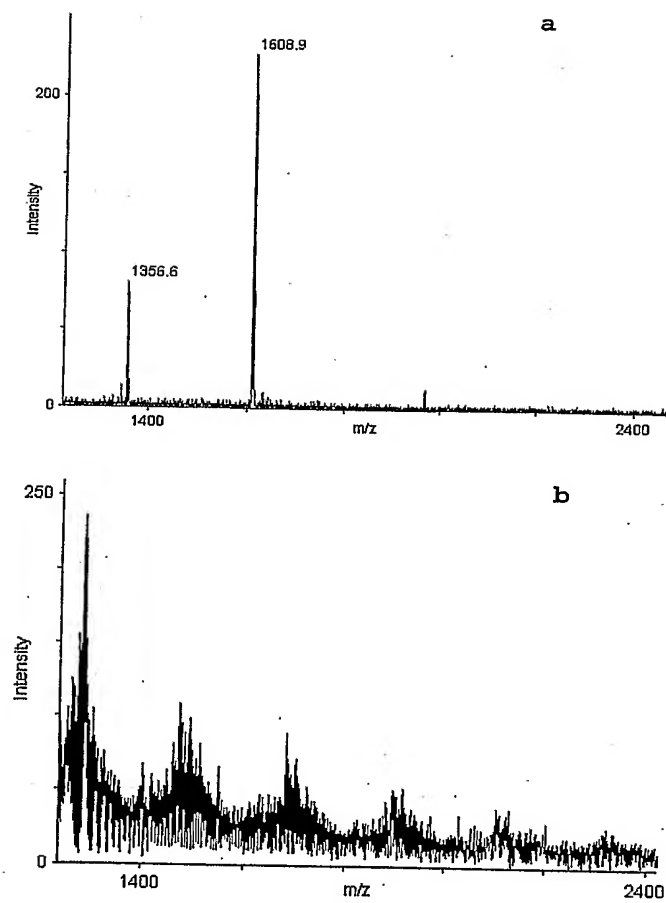
Figure 7

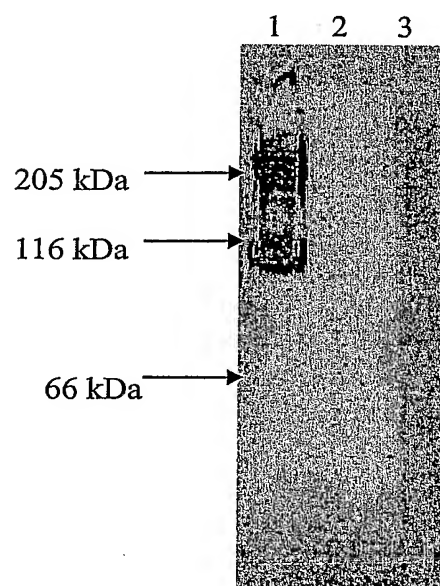Figure 8.

Figure 9.

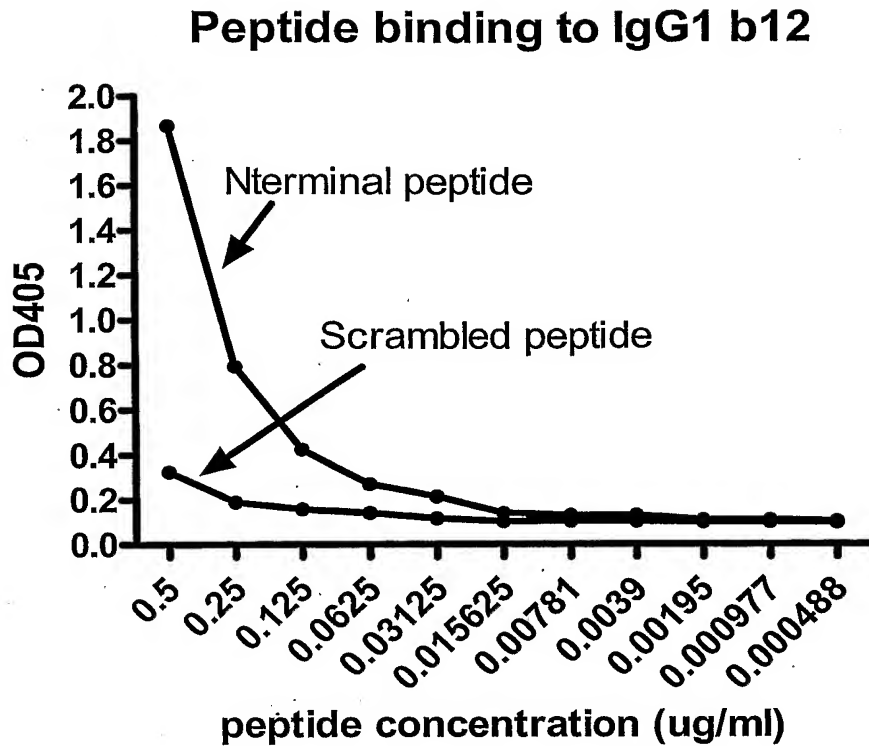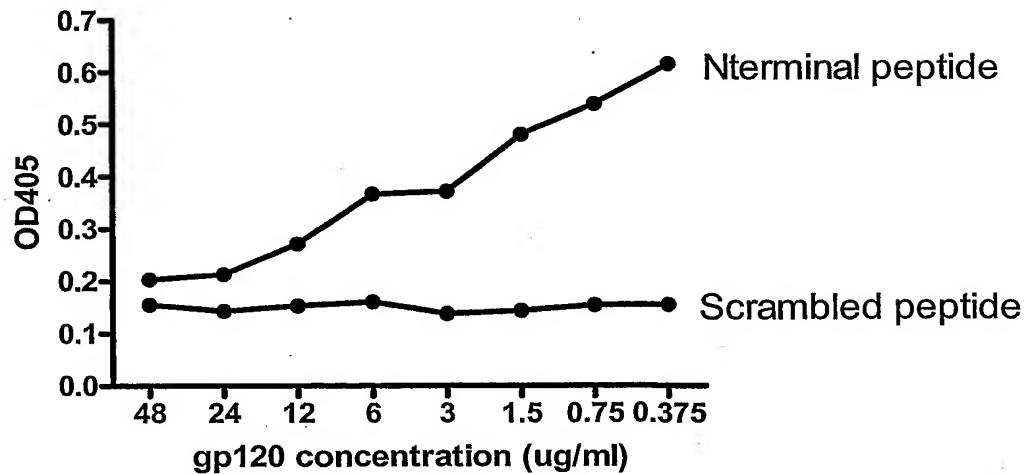Figure 10.

FIG. 11

Peptide binding to IgG1 b12

FIG. 12

Inhibition of IgG1 b12 binding to peptide by gp120

A

gp120 Recognition by Differentially Immunized Mice
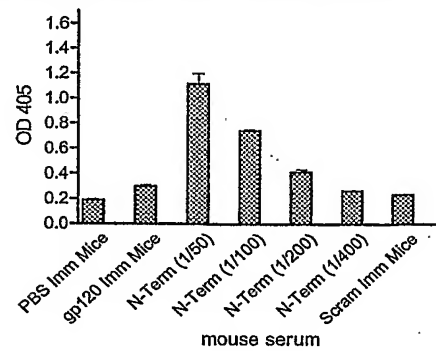

Figure 13A

B

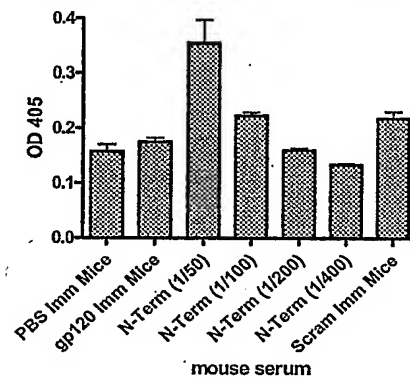N terminal Peptide Recognition by Differentially Immunized Mice

Figure 13B

C

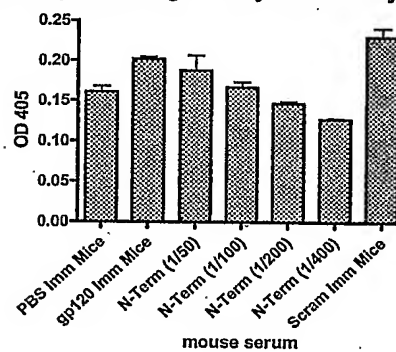Scrambled Peptide Recognition by Differentially Immunized Mice

Figure 13C